EPS SSR-1

POWER BUS LOSS: RPDA NIRS1 (Includes RPCMs N1RS1 A, B, C and Z14B A, B)

	ACTION	EQUIP/FUNCTION LOST	CREW INDICATION	NOTES
1	PCS Node1: C&DH: MDM_N1-2 [Primary NCS MDM] √State - Primary If no telemetry √**MCC-H**	N1-1 MDM MDM N1-2 Srv Htr	**Caution Messages:** MDM N1-2 Detected RT Fail MDM N1-1 - PMA 1 **Advisory Messages:** RPCM N1RS1_A Loss of Comm - NOD1 RPCM N1RS1_B Loss of Comm - NOD1 RPCM N1RS1_C Loss of Comm - NOD1 RPCM Z14B_A Loss of Comm - Z1 RPCM Z14B_B Loss of Comm - Z1 MDM N1-2Loss of Sync to MDM N1-1 - PMA 1 **Telemetry:** PCS FGB: EPS [FGB: EPS] RACU Details RACU 6 Converter - Off RACU 6 Output Current < 1 Amp RACU 6 Output Voltage ~ 0 Volts [NODE1:EPS] RPCM N1RS1 A - not Active RPCM N1RS1 B - not Active RPCM N1RS1 C - not Active [Z1: EPS] RPCM Z14B A - not Active RPCM Z14B B - not Active	(1) Both MDMs are nominally active. In the event of loss of the primary MDM, the alternate MDM will automatically transition to primary. (2) KU-Band, S-Band, EEATCS, CMG and PCU heaters are not redundant, possible loss of equipment. PCU is powered to provide some heat. String B of the Node 1 and PMA 1 shell heaters are nominally primary. (3) Since the Early Comm antennas are lost, the entire Early Comm system is lost. The internal Early Comm equipment is powered off, except for the Transceiver. The Transceiver remains powered to provide survival heater power. (4) Normally the CBMs are powered off. (5) The RACU indications will only be valid, if the bus failure is due to a RACU failure.
	FGB: EPS [FGB: EPS] If RACU6- On • Perform RACU 6 Deactivate procedure (SODF: EPS)	RPCM N1RS1 A (Type V) RPCM N1RS1B (Type V) RPCM N1RS1C (Type V) Control of RPCM N14B A Control of RPCM N14B B Control of RPCM N14B C RPCM Z14B A (Type VI) RPCM Z14B B (Type V)		
2	Z1:EPS [RPCM Z13B B] • sel RPC 15 • **cmd** Close **Execute**	2 Node 1 Shell Htrs String A PMA1 Shell Htrs String A SPDA Z13B Htr 1 SPDA Z14B Htr 2 CMG 2 Ext Htr CMG 3 Ext Htr PCU 1 Htr DDCU Z13B Htr 2 DDCU Z14B Htr 1 KU-Band SGTRC Htr KU-Band SGANT Htr S-Band BSP 2 Htr S-Band SASA 2 Htr EEATCS Non-op Htr B-1		
3	Node1: EPS: RPCM N1RS2 [RPCM NIRS2 A] • sel RPCM Detail • sel RPC [X], [X] = [10] [11] • **cmd** Open **Execute** • Repeat	CBM N1 Stbd Sec 1 (Early Comm Port Ant Pwr) 3 CBM N1 Stbd Sec 2 (Early Comm Port Ant Htr) 4 CBM N1 Stbd Sec 3 (Early Comm Stbd Ant Pwr) CBM N1 Stbd Sec 4 Early Comm Stbd Ant Htr)	5	
		4 CBM N1 Port Sec (1---4)		
		Node1-1 SDO Card 1A: MDM N1-2 Opr Htr Node1 3-Way SDS Vlv-1 Solenoid Cmd Node1 3-Way SDS Vlv-1 Latch Cmd Node1 3-Way SDS Vlv-2 Solenoid Cmd		
	(Continued)	(Continued)	(Continued)	(Continued)

EPS SSR-1
POWER BUS LOSS: RPDA NIRS1 (Includes RPCMs N1RS1 A, B, C and Z14B A, B)

ACTION	EQUIP/FUNCTION LOST	CREW INDICATION	NOTES
	Node1-1 SDO Card 1B:		
	CMG 1 CMG 4		
	PCU 2		